



Product Information

4-Trifluoromethylumbelliferyl b-D-glucopyranoside

Cat. No.: X24-11-LY059

Size: 10 mg; 25 mg; 50 mg; 100 mg

MDL: MFCD00037683

CAS Number: 116981-86-3

Compound CID: 16218755

Synonym: 116981-86-3; 4-(Trifluoromethyl)umbelliferyl-beta-D-glucopyranoside;

4-Trifluoromethylumbelliferyl b-D-glucopyranoside; 2*H*-1-Benzopyran-2-one, 7-(beta-D-glucopyranosyloxy)-4-(trifluoromethyl)-;

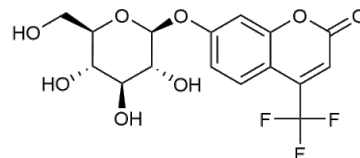
4-(Trifluoromethyl)-7-[(2*S*,3*R*,4*S*,5*S*,6*R*

)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxychromen-2-one;

4-(Trifluoromethyl)-7-[(2*S*,3*R*,4*S*,5*S*,6*R*

)-3,4,5-trihydroxy-6-(hydroxymethyl)tetrahydro-2*H*-pyran-2-yloxy)-2*H*-chromen-2-one

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	4-Trifluoromethylumbelliferyl b-D-glucopyranoside is a TFMC substrate and reacts with oxygen to produce chemiluminescence and bioluminescence
Molecular Weight	392.28
Molecular Formula	C ₁₆ H ₁₅ F ₃ O ₈
IUPAC Name	4-(Trifluoromethyl)-7-[(2 <i>S</i> ,3 <i>R</i> ,4 <i>S</i> ,5 <i>S</i> ,6 <i>R</i>)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxychromen-2-one
InChI	InChI=1S/C16H15F3O8/c17-16(18,19)8-4-11(21)26-9-3-6(1-2-7(8)9)25-15-14(24)13(23)12(22)10(5-20)27-15/h1-4,10,12-15,20,22-24H,5H2/t10-,12-,13+,14-,15-/m1/s1
InChI Key	WXZJYRMHQCZVKG-TVKJYDDYSA-N
SMILES string	C1=CC2=C(C=C1O[C@H]3[C@@H]([C@H]([C@@H]([C@H](O3)CO)O)O)OC(=O)C=C2C(F)(F)F
Form	Powder
Purity	≥95%
Applications	4-Trifluoromethylumbelliferyl b-D-glucopyranoside can be used as a conjugate for antibodies or other ligands.



Storage

Store at 4°C.
